

INTERNATIONAL SEARCH REPORT

International application No.
PCT/AU2004/000438

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. 7: G01N 33/18, 31/10, 27/413, 27/30

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
DWPI: bod or cod or (oxygen (w) demand) or (oxygen (w) deplet+), water or aqu+, /ic g01n-027 or g01n-031 or g01n-033, +cataly+, electro+, +electrochemical+ or (+electro (w) chemical+), (titanium (4d) +oxide) or tio+, nanopartic+ or (nano (w) partic+), semiconduct+ (s) photo+, +current or charge or potential or photocurrent, +exhaustive (s) degrad+, (water or wastewater or effluent?) and oxid+, electrode? or cell? or electrolyt+, organic+

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JIANG et al., "Photoelectrochemical behaviour of methanol oxidation at nanoporous TiO ₂ film electrodes", Journal of Photochemistry and Photobiology A: Chemistry, Elsevier Science B.V., Volume 144, 2001 pages 197-204. The whole document—especially page 198, left column and page 203, right column.	1-17
A	Patent Abstracts of Japan, JP 11-132997 A (DAM SUIGENCHI KANKYO SEIBI CENTER et al.) 21 May 1999. Abstract; drawing.	
A	DE 4406612 A1 (MÜLLER et al.) 7 September 1995. Abstract; claims.	

☒ Further documents are listed in the continuation of Box C

☒ See patent family annex

* Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search
7 July 2004

Date of mailing of the international search report
14 JUL 2004

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	Patent Abstracts of Japan, JP 06-148172 A (JAPAN STORAGE BATTERY CO LTD) 27 May 1994. Abstract; drawing.	
A	EP 282441 A2 (PILZ) 14 September 1988. Claims; figures 1-2.	
A	CN 1412540 A (UNIV HUADONG) 23 April 2003 (online) (retrieved on 1 July 2004) Retrieved from the Internet <URL: http://ep.espacenet.com >. esp@cenet - Document Bibliography and Abstract.	
A	EP 834739 A2 (LAR ANALYTIK UND UMWELMESSTECHNIK GMBH) 8 April 1998. Claims; figures 1-3.	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/AU2004/000438

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member	
JP	11132997		
DE	4406612		
JP	6148172		
EP	0282441	DE	3707815
CN	1412540		
EP	0834739	DE	19637704
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.			
END OF ANNEX			